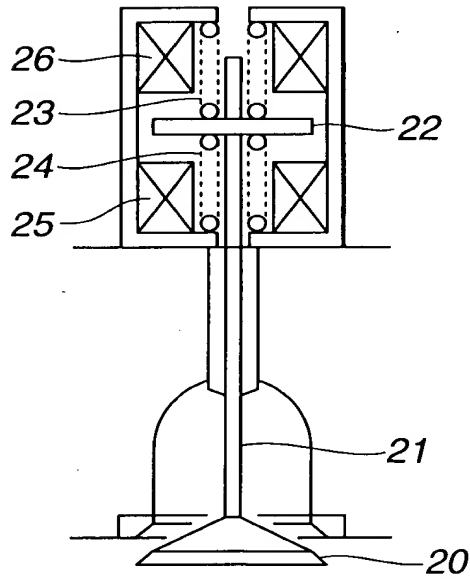




APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Title: INTERNAL EGR QUANTITY  
ESTIMATION, CYLINDER INTAKE AIR  
QUANTITY CALCULATION, VALVE TIMING  
CONTROL, AND IGNITION TIMING CONTROL  
Inventor(s): Takao KAWASAKI et al.  
Appl. No.: Unknown

**FIG.2**

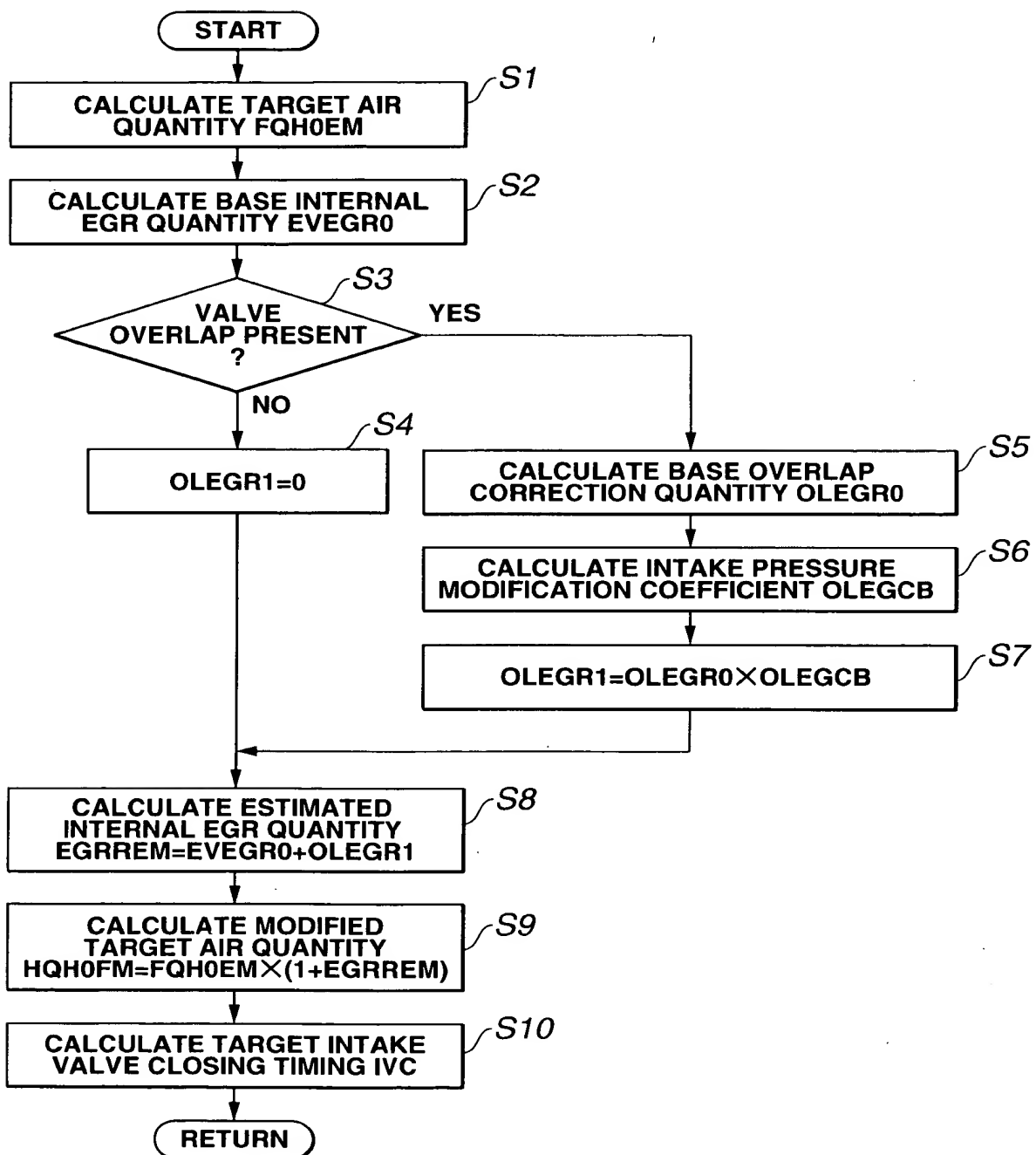


0912388.072601  
T09220" 88E2T660

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Title: INTERNAL EGR QUANTITY  
ESTIMATION, CYLINDER INTAKE AIR  
QUANTITY CALCULATION, VALVE TIMING  
CONTROL, AND IGNITION TIMING CONTROL  
Inventor(s): Takao KAWASAKI et al.  
Appl. No.: Unknown

FIG.3

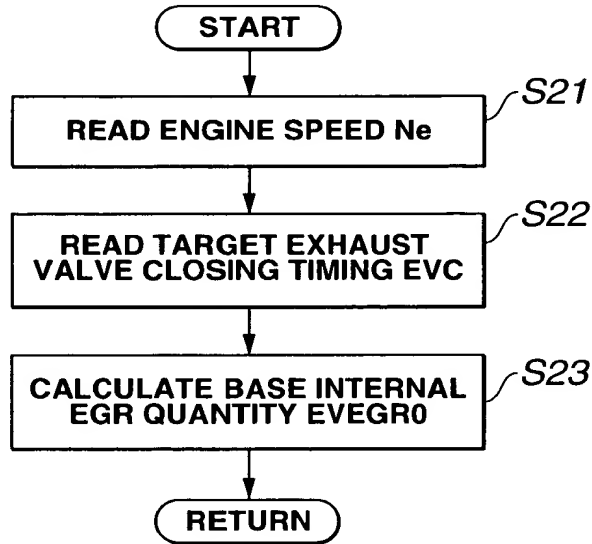


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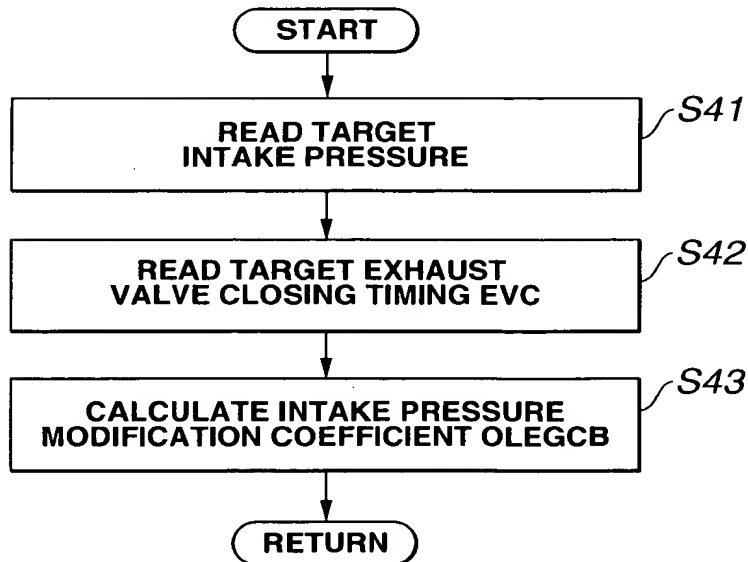
APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Title: INTERNAL EGR QUANTITY  
ESTIMATION, CYLINDER INTAKE AIR  
QUANTITY CALCULATION, VALVE TIMING  
CONTROL, AND IGNITION TIMING CONTROL  
Inventor(s): Takao KAWASAKI et al.  
Appl. No.: Unknown

**FIG.4**



**FIG.6**

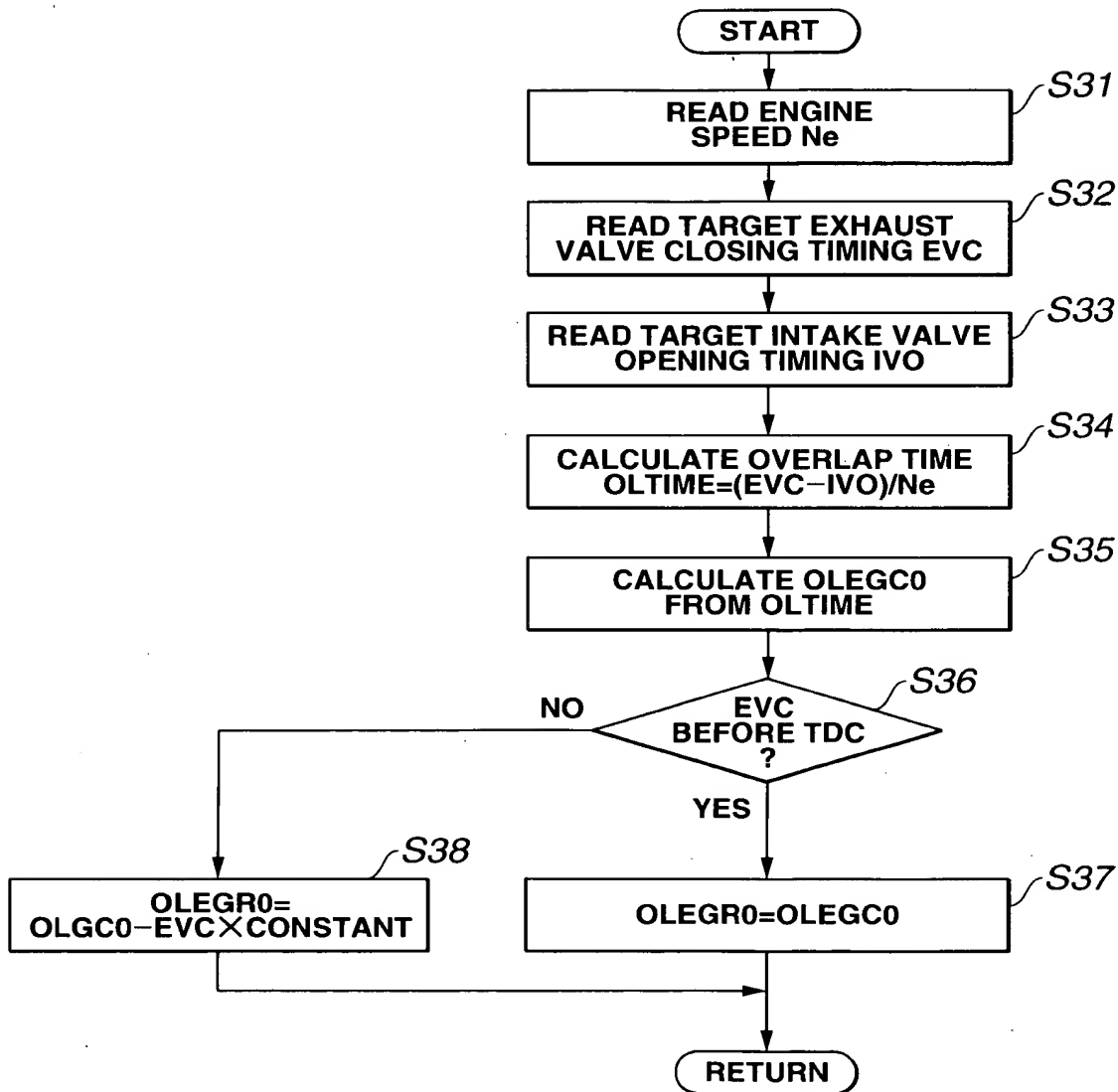


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APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Title: INTERNAL EGR QUANTITY  
ESTIMATION, CYLINDER INTAKE AIR  
QUANTITY CALCULATION, VALVE TIMING  
CONTROL, AND IGNITION TIMING CONTROL  
Inventor(s): Takao KAWASAKI et al.  
Appl. No.: Unknown

FIG.5



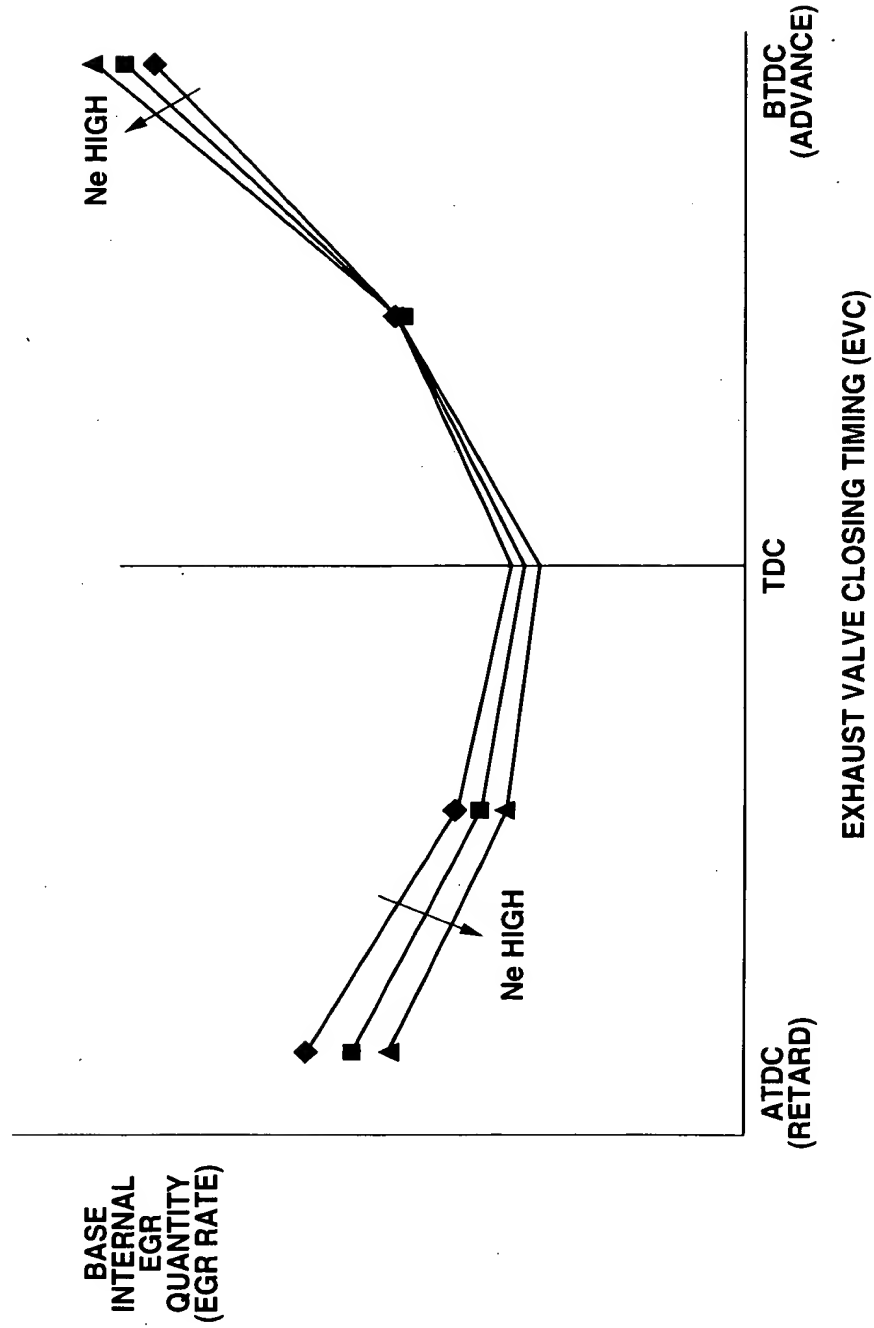
0912388-072601

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN	"	"

Title: INTERNAL EGR QUANTITY  
ESTIMATION, CYLINDER INTAKE AIR  
QUANTITY CALCULATION, VALVE TIMING  
CONTROL, AND IGNITION TIMING CONTROL  
Inventor(s): Takao KAWASAKI et al.  
Appl. No.: Unknown

T09220" B8E2F660

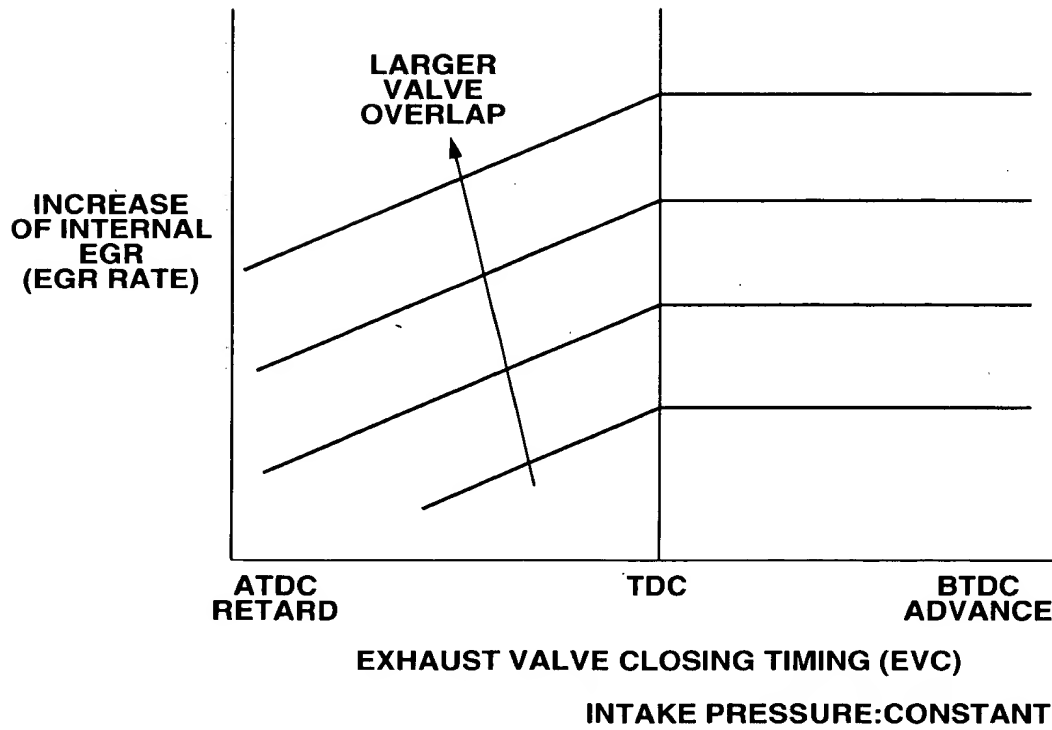
FIG.7



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Title: INTERNAL EGR QUANTITY  
ESTIMATION, CYLINDER INTAKE AIR  
QUANTITY CALCULATION, VALVE TIMING  
CONTROL, AND IGNITION TIMING CONTROL  
Inventor(s): Takao KAWASAKI et al.  
Appl. No.: Unknown

**FIG.8**

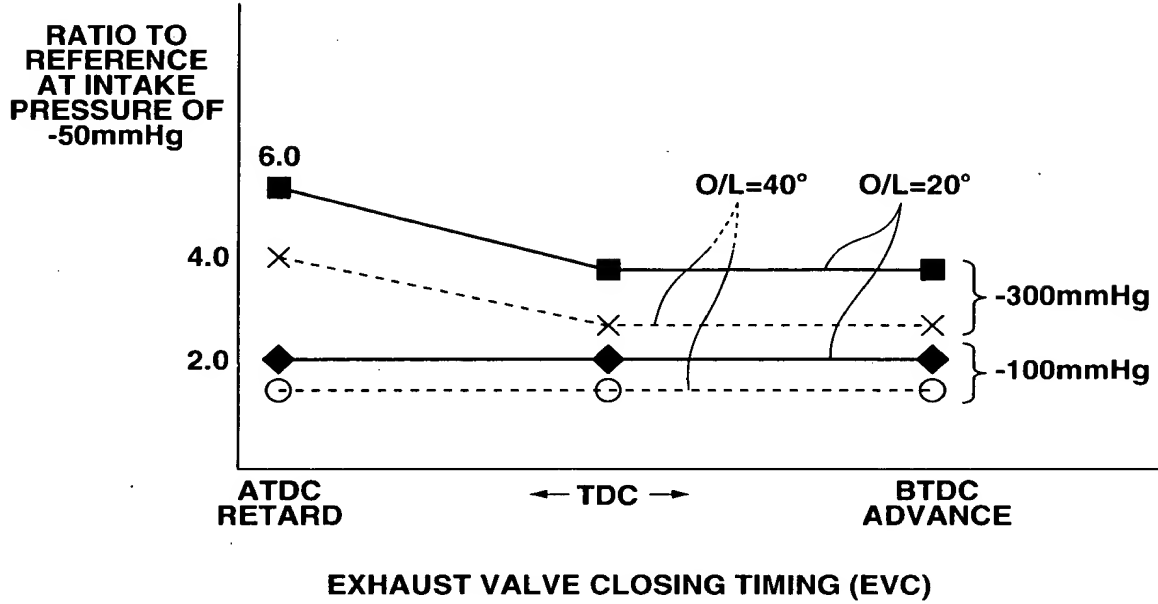


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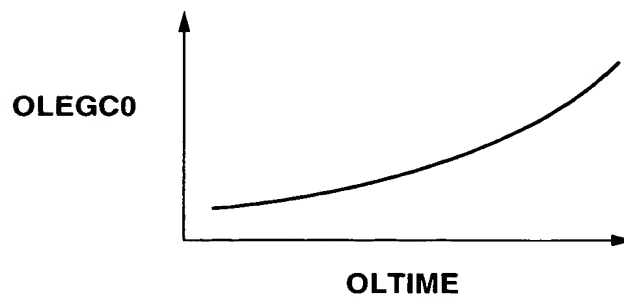
APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Title: INTERNAL EGR QUANTITY  
ESTIMATION, CYLINDER INTAKE AIR  
QUANTITY CALCULATION, VALVE TIMING  
CONTROL, AND IGNITION TIMING CONTROL  
Inventor(s): Takao KAWASAKI et al.  
Appl. No.: Unknown

**FIG.9**



**FIG.10**



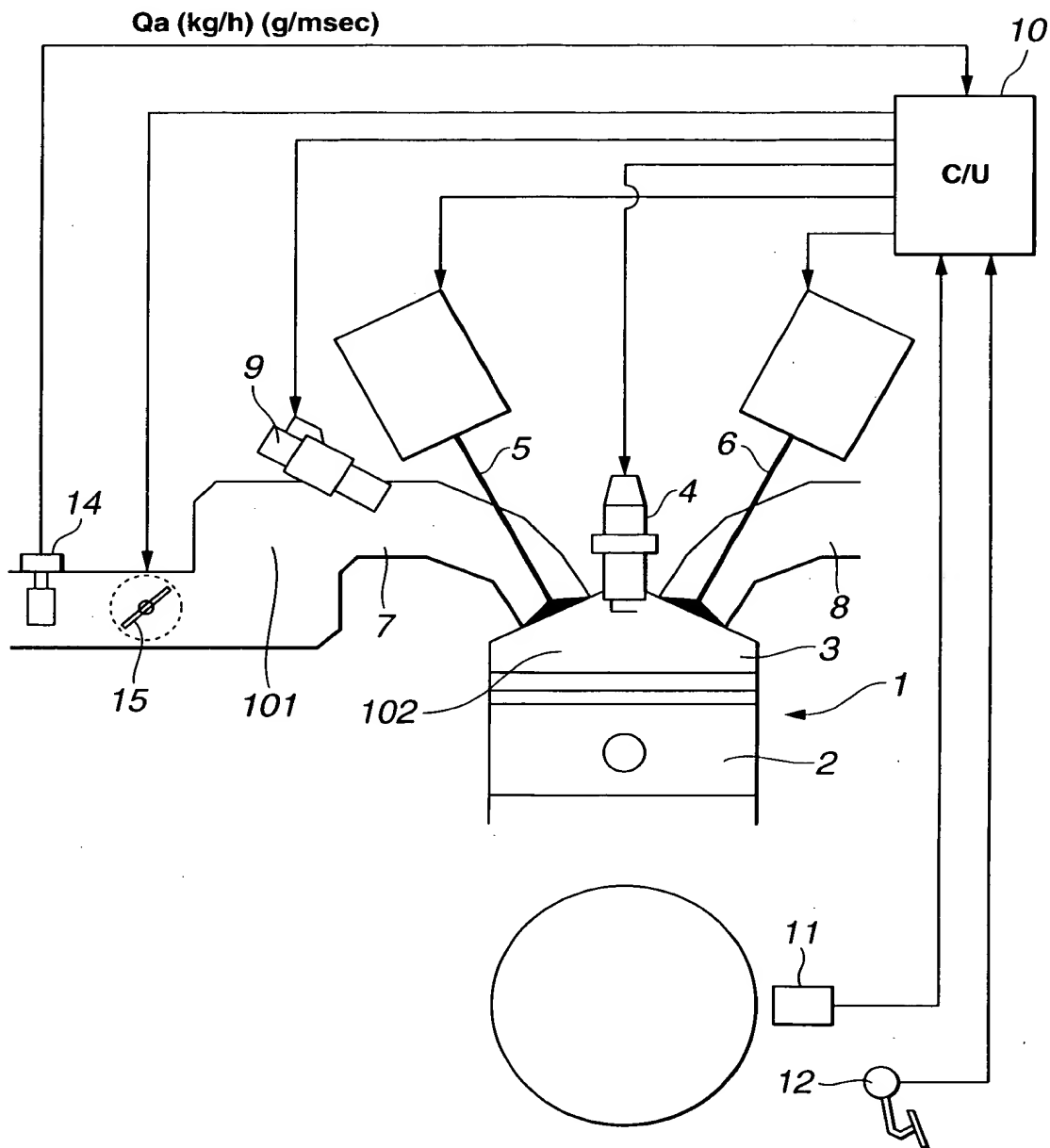
0912388-072601



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Title: INTERNAL EGR QUANTITY  
ESTIMATION, CYLINDER INTAKE AIR  
QUANTITY CALCULATION, VALVE TIMING  
CONTROL, AND IGNITION TIMING CONTROL  
Inventor(s): Takao KAWASAKI et al.  
Appl. No.: Unknown

FIG.11

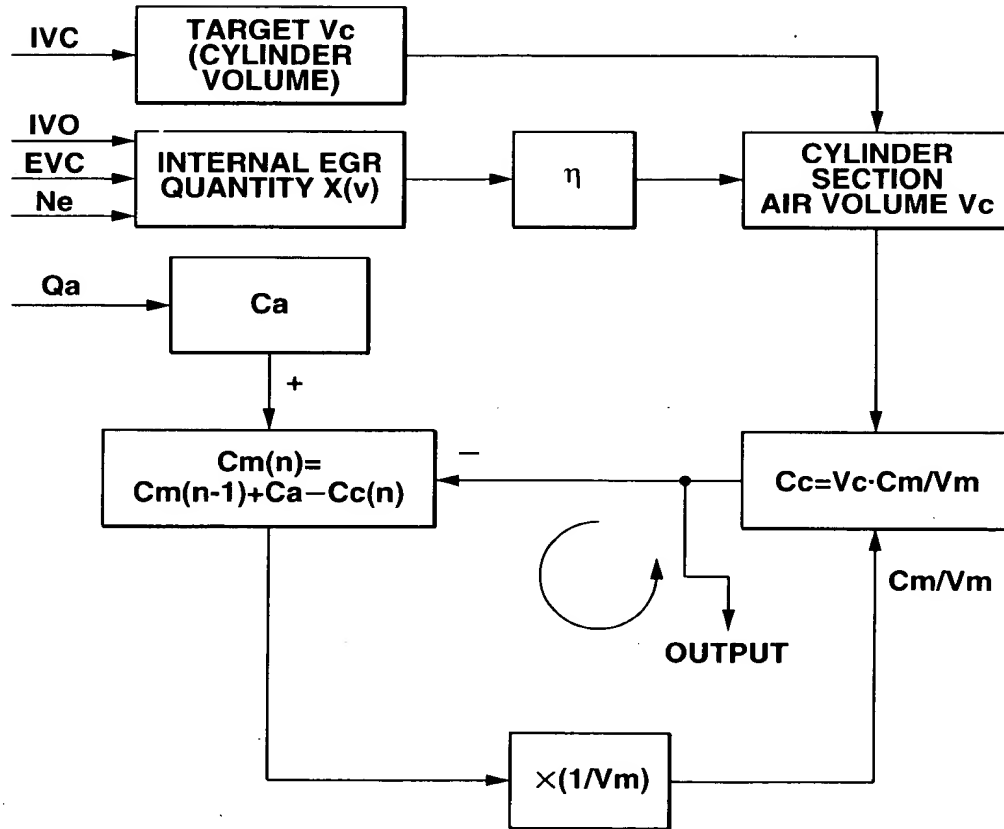


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APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Title: INTERNAL EGR QUANTITY  
ESTIMATION, CYLINDER INTAKE AIR  
QUANTITY CALCULATION, VALVE TIMING  
CONTROL, AND IGNITION TIMING CONTROL  
Inventor(s): Takao KAWASAKI et al.  
Appl. No.: Unknown

FIG.12

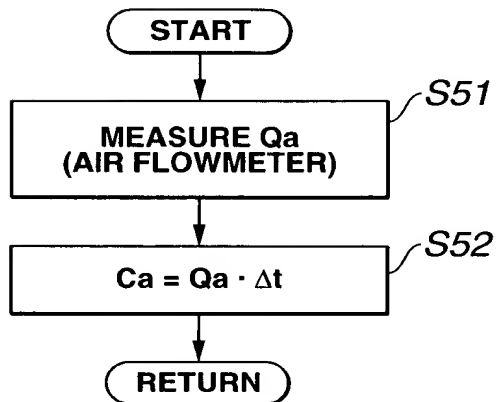


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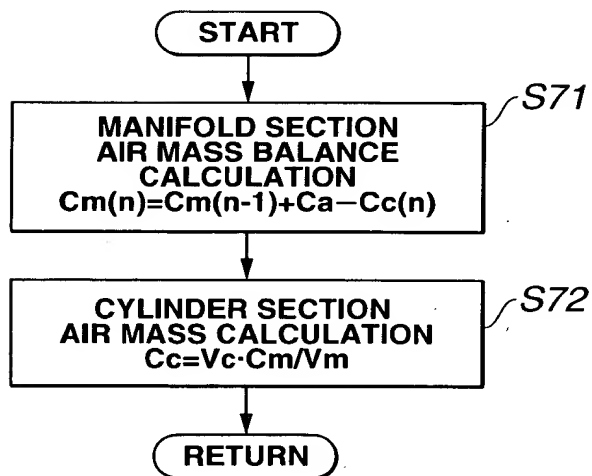
APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Title: INTERNAL EGR QUANTITY  
ESTIMATION, CYLINDER INTAKE AIR  
QUANTITY CALCULATION, VALVE TIMING  
CONTROL, AND IGNITION TIMING CONTROL  
Inventor(s): Takao KAWASAKI et al.  
Appl. No.: Unknown

**FIG.13**



**FIG.15**

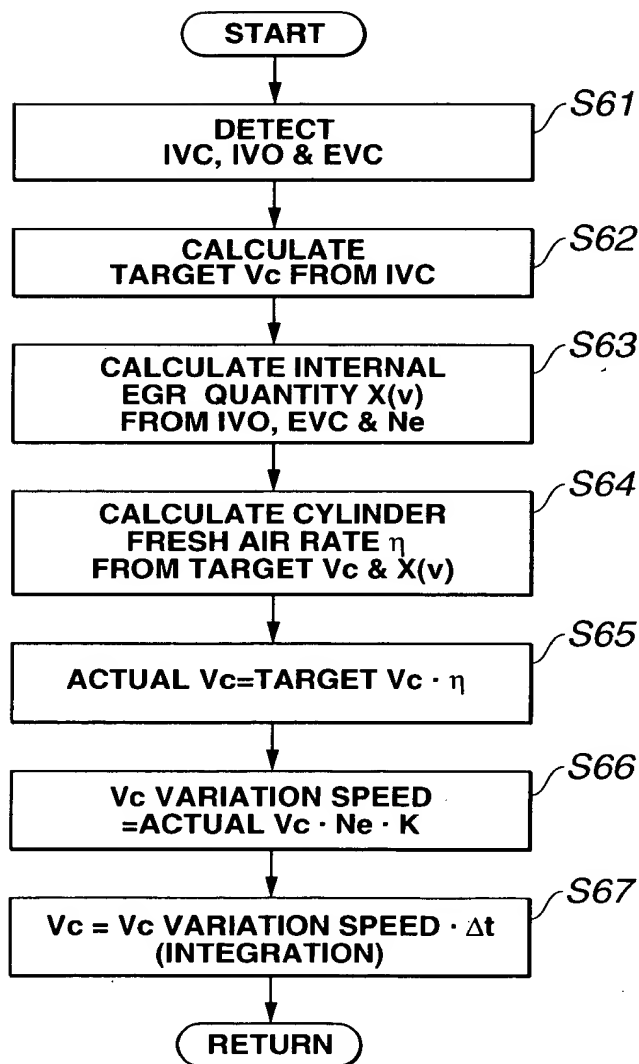


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APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Title: INTERNAL EGR QUANTITY  
ESTIMATION, CYLINDER INTAKE AIR  
QUANTITY CALCULATION, VALVE TIMING  
CONTROL, AND IGNITION TIMING CONTROL  
Inventor(s): Takao KAWASAKI et al.  
Appl. No.: Unknown

FIG.14



09912388.072601

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

Title: INTERNAL EGR QUANTITY  
ESTIMATION, CYLINDER INTAKE AIR  
QUANTITY CALCULATION, VALVE TIMING  
CONTROL, AND IGNITION TIMING CONTROL  
Inventor(s): Takao KAWASAKI et al.  
Appl. No.: Unknown

FIG.16

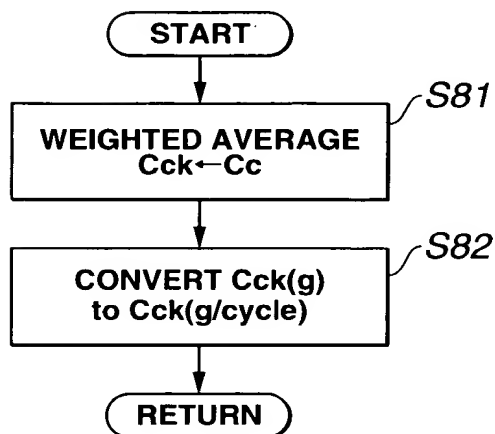
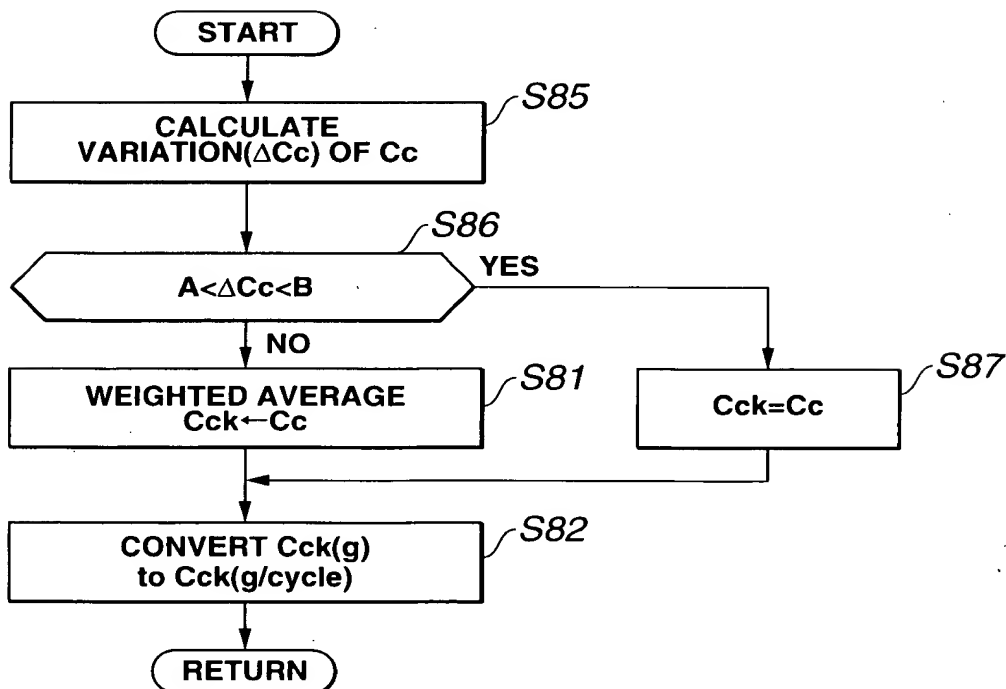


FIG.17



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APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Title: INTERNAL EGR QUANTITY ESTIMATION, CYLINDER INTAKE AIR QUANTITY CALCULATION, VALVE TIMING CONTROL, AND IGNITION TIMING CONTROL  
 Inventor(s): Takao KAWASAKI et al.  
 Appl. No.: Unknown

FIG.18

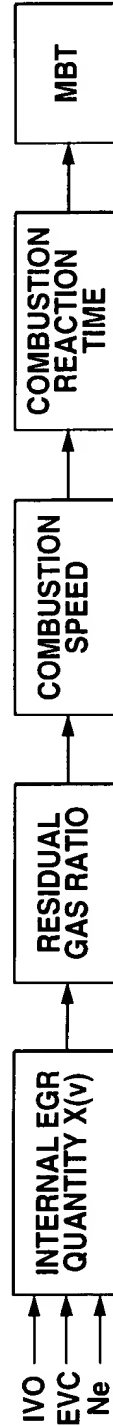


FIG.18